



FLWEMS Paramedic Medication Information For:
DEXTROSE, 50%

(DEX-trohs)

Classification

Electrolyte replenisher

Action/Kinetics

PO products that contain varying amounts of sodium, potassium, chloride, citrate, and dextrose (Lytren and Resol contain 20 g/L whereas Pedialyte and Rehydralyte contain 25 g/L). In addition, Resol contains magnesium, calcium, and phosphate. Time to peak effect: 8-12 hr.

Uses

Diarrhea. Prophylaxis and treatment of electrolyte depletion in diarrhea or in continuing fluid loss. Maintenance of hydration.

Contraindications

Anuria, oliguria. Severe dehydration including severe diarrhea (IV therapy is necessary for prompt replacement of fluids and electrolytes). Malabsorption of glucose. Severe and sustained vomiting when the client is unable to drink. Intestinal obstruction, perforated bowel, paralytic ileus.

Special Concerns

Use with caution in premature infants.

Side Effects

Overhydration indicated by puffy eyelids. Hyponatremia, vomiting (usually shortly after treatment has started).

How Supplied

Powder for Reconstitution; Solution; Tablet

Dosage

•Oral Solution *Mild dehydration.*

Adults and children over 10 years, initial: 50 mL/kg over 4-6 hr; maintenance: 100-200 mL/kg over 24 hr until diarrhea stops.

Moderate dehydration.

Adults and children over 10 years, initial: 100 mL/kg over 6 hr; maintenance: 15 mL/kg q hr until diarrhea stops.

Moderate to severe dehydration.

Pediatric, 2-10 years, initial: 50 mL/kg over the first 4-6 hr followed by 100 mL/kg over the next 18-24 hr; less than 2 years, initial: 75 mL/kg during the first 8 hr and 75 mL/kg during the next 16 hr.

END OF INFORMATION – NOTHING FOLLOWS